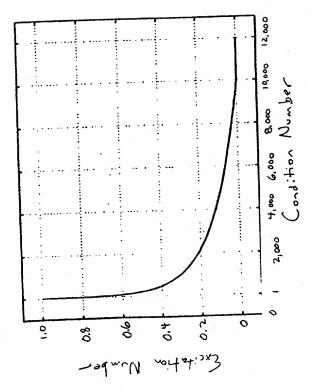


Title: Method and Apparatus for Tuning Compensation Parameters
Applicant: Stephen J. Yutkowitz
Serial No.: 10/017,021
Docket: 240914-134
Page 1 of 13

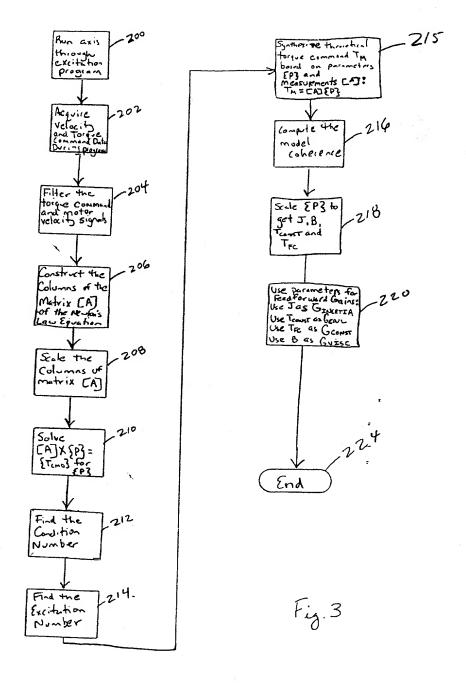


Title: Method and Apparatus for Tuning Compensation Parameters Stephen J. Yutkowitz Serial No.: 10/017,021 Docket: 24914-134 Docket: 24914-134

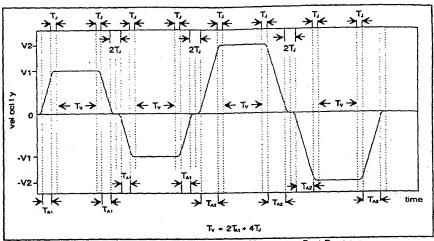
Fig. 2

Title: Method and Apparatus for Tuning Compensation Parameters Applicant: Stephen J. Yutkowitz Serial No.: 10/017.021 Docket: 24914-134

Page 3 of 13

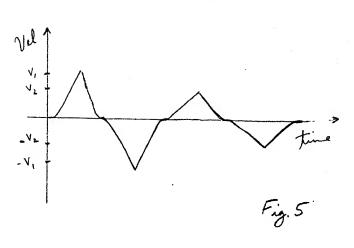


Title: Method and Apparatus for Tuning Compensation Parameters
Applicant: Stephen J. Yutkowitz
Serial No.: 10/017,021
Docket: 24914-134
Page 4 of 13



Example of Velocity Command Profile Of Excitation Part Program

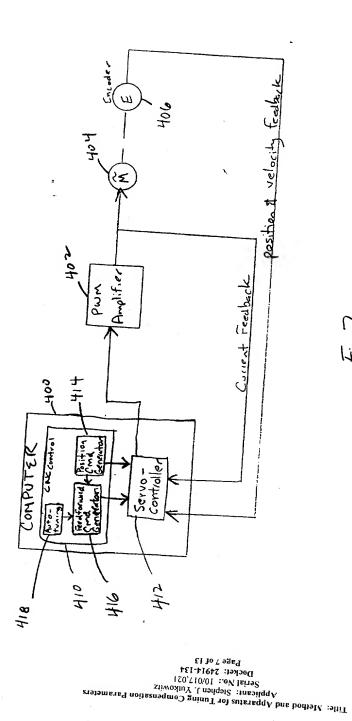
Title: Method and Apparatus for Tuning Compensation Parameters Applicant: Stephen J. Yutkowitz Serial No.: 10/017,021 Docket: 24914-134 Page 5 of 13

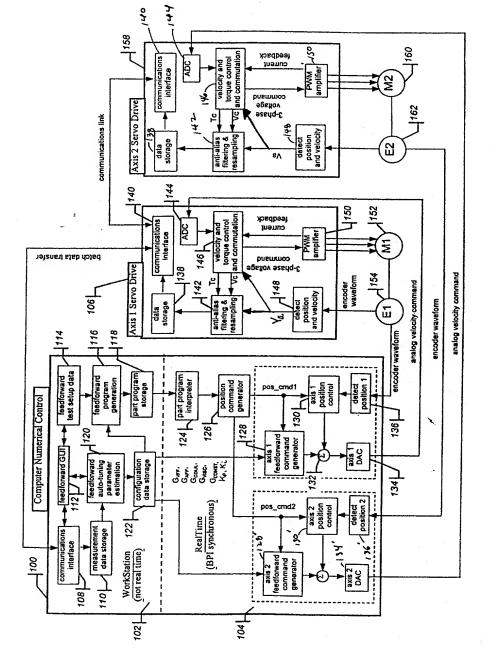


Title: Method and Apparatus for Tuning Compensation Parameters
Applicant: Stephen J. Yutkowitz
Serial No.: 10/017,021 Docket: 24914-134 Page 6 of 13 Start (nid) Receive set-up parameters: -start position -250 -end position -max tectate -min fredate -other axes position pieros mode Compule Constant Vel. Time To for all moves 252 254 More other axes to start positions 256 Calculate Feedrate Vn 266 264 n=3 .258 Calculate nove La Move axis according to motion blocks generated -208 Cakulate Destination Position Xn Acquire System Open tion -270 262 Generales motion block from Xn t

Cokulate Foodforward Parameters and Displan

FIG. 6





Title: Method and Apparatus for Tuning Compensation Parameters
Applicant: Stephen J. Yurkowitz
Serial No.: 10/017,021
Docker: 24914-134
Page 8 of 13

1.30

Title: Method and Apparatus for Tuning Compensation Parameters
Applicant: Stephen J. Yurkowitz
Serial No.: 10/017,021
Docket: 24914-134
Page 9 of 13

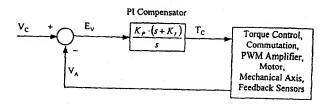
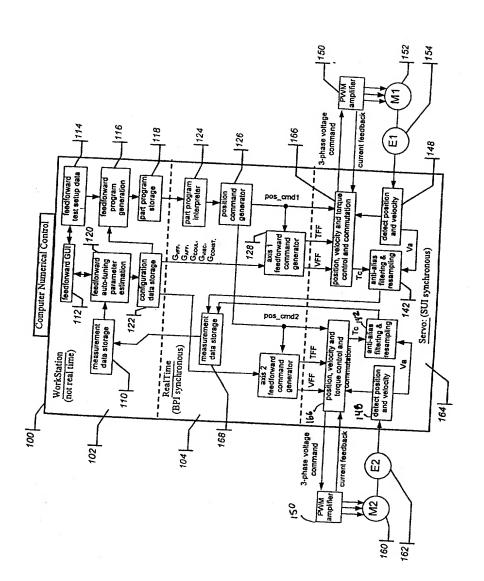


Fig. 9



it,

Title: Method and Apparatus for Tuning Compensation Parameters

Applicant: Stephen J. Yukowitz

Serial No.: 10/01 7,021

Docket: 11944-134

Page 10 01 35

Title: Method and Apparatus for Tuning Compensation Parameters
Applicant: Stephen J. Yutkowitz
Serial No.: 10/017,021
Docket: 24914-134
Page 11 of 13

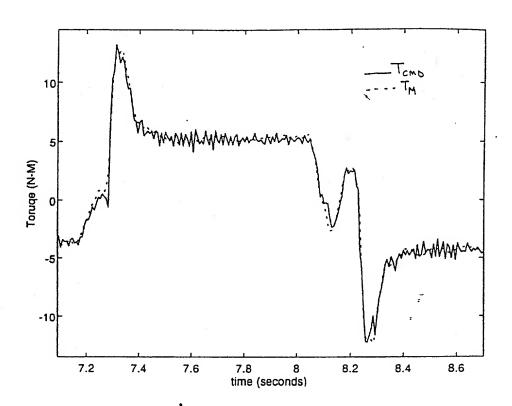


FIG. 11

Title: Method and Apparatus for Tuning Compensation Parameters
Applicant: Stephen J. Yulkowitz
Serial No.: 10/017,021
Docket: 24914-134
Page 12 of 13

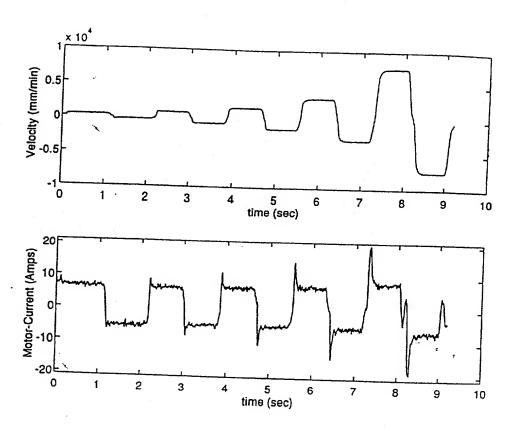
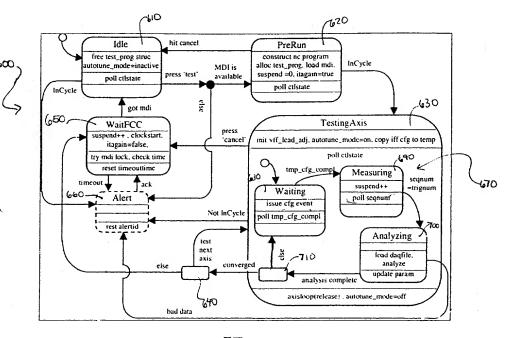


Fig. 12

Title: Method and Apparatus for Tuning Compensation Parameters Applicant: Stephen J. Yutkowitz Serial No.: 10/017,021 Docket: 24914-134

Page 13 of 13



FTG. 14

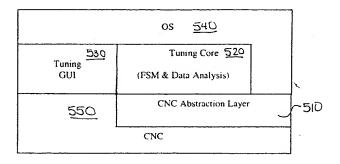


FIG. 13